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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ricardo Azpiroz et al. Art Unit : 1638
Serial No. : 09/502,426 Examiner : Ashwin Mehta
Filed : February 11, 2000
Title : DWF4 POLYNUCLEOTIDES, POLYPEPTIDES AND USES THEREOF

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PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the specification:

Replace the paragraph beginning at page 11, line 31, to page 12, line 13, with the following rewritten paragraph:

--Figure 3 depicts alignment of cytochrome P450 proteins that exhibited the most similarity to DWF 4 (SEQ ID NO:2) in BLAST searches. GenBank accession numbers are AF044216 (DWF4; CYP90B) (SEQ ID NO:2), X87368 (CPD; CYP90A) (SEQ ID. NO:19), U54770 (tomato; CYP85) (SEQ ID NO:20), D64003 (cyanobacteria; CYP120) (SEQ ID NO:21), U32579 (maize; CYP88) (SEQ ID NO:22), U68234 (zebrafish; CYP26) (SEQ ID NO:23), and M13785 (human; CYP3A3X) (SEQ ID NO:24). Dashes indicate gaps introduced to maximize alignment. Domains indicated in Figure 2B are highlighted in a box. Amino acid residues that are conserved >50% between the compared sequences are highlighted by a reverse font, and identical residues between DWF4 and CPD are boxed and italicized. Open triangles are placed under the 100% conserved residues (SEQ ID NO:25). Closed triangles locate functionally important amino acid residues, for example, threonine (T) at 369, which is thought to bind

31

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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